

setting a service suspension request time as a service end time upon generation of a service suspension request by the system during the service and suspending the service;

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sending billing data including the service start time and the service end time in the service suspended state, and determining whether a service resumption request is generated; and

ending the service when a service termination request is generated in the service suspended state.

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8. (Amended) A method of billing service in an electronic switch in a cellular network system comprising the steps of:

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calculating a service suspended period whenever a service suspension occurs during a service and accumulating service suspended periods; and  
constructing billing data, including a final service suspended period being the accumulated value of service suspended periods and sending the billing data to a billing processor, when the service ends, wherein service suspension periods are interruptions of service by the system.

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11. (Amended) A method of billing service in an electronic switch in a cellular network system, comprising the steps of:

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calculating a service suspended period whenever a service suspension occurs during a service and storing the service suspended period according to a unique index; and  
constructing billing data including stored service suspended periods and sending the billing data to a billing processor, when the service ends,  
wherein service suspension periods are interruptions of service by the system.

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16. (Amended) A method of billing service in an electronic switch in a cellular network system, comprising the steps of:

setting a service initiation request time upon request for call initiation and initiating a call;

A4 setting a service suspension request time as a service suspension start time upon request for service suspension and suspending the service;

setting a service resumption request time as a service suspension end time upon request for service resumption in the service suspended state, calculating a service suspended time from the service suspension start time and the service suspension end time, adding the calculated service suspended period to a previous service suspended period, and resuming the service;

setting a service termination request time as a service end time upon request for service termination in the service suspended state, calculating a service suspended time from the service suspension start time and the service end time, adding the calculated service suspended period to a previous service suspended period, and resuming the service; and

sending billing data including the service start time, the service end time and a final accumulated service suspended time to a billing processor, and ending the service,

wherein service suspension periods are interruptions of service by the system.

21. (Amended) A method of billing service in an electronic switch in a cellular network system, comprising the steps of:

AS Cont. designating a unique index upon request for service suspension during a service, setting a service suspension request time as a service suspension start time according to the unique index, and suspending the service;

designating a unique index upon request for service resumption in the service suspended state, setting a service resumption request time as a service suspension end time according to the unique index, and resuming the service;

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designating a unique index upon request for service termination in the service suspended state, and setting a service termination request time as a service suspension end time according to the unique index; and

constructing billing data including the service suspension start time and the service suspension end time, sending the billing data to a billing processor, and ending the service,  
wherein the service suspended state is an interruption of service by the system.

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23. (Amended) A billing method in an electronic switch in a cellular network system, comprising the steps of:

counting the number of service suspension occurrences generated during a service, constructing billing data including the count value, and sending the billing data to a billing processor, via a call processor; and

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producing a total service suspended period by multiplying the number of service suspension occurrences by an average service suspended period, subtracting the total service suspended period from an overall service period, and billing a subscriber for a resulting normal service period,

wherein service suspension occurrences are interruptions of service by the system.

24. (Amended) A billing method in an electronic switch in a cellular network system, comprising the steps of:

calculating a service suspended period during a service in progress; and  
billing a subscriber for a normal service period resulting from subtracting the calculated service time period from an overall service period,